OE FORM 6000, 2/69

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
OFFICE OF EDUCATION

ERIC REPORT RESUME

ERIC ACC. NO. ED032446

IS DOCUMENT COPYRIGHTED? YES ☐ NO ☒
ERIC REPRODUCTION RELEASE? YES ☐ NO ☒
LEVEL OF AVAILABILITY I ☒ II ☐ III ☐

CH ACC. NO.	P.A.	PUBL. DATE	ISSUE
AA 000 410		Jul 69	RIEFEB70

AUTHOR

TITLE
Science Education Information Report, General Bibliography Series 28, Legislative Acts and Reports, Administration and Supervision, Science Facilities.

SOURCE CODE	INSTITUTION (SOURCE)
RUF24927	ERIC Information Analysis Center for Science Education, Columbus, Ohio
SP. AG. CODE	SPONSORING AGENCY

EDRS PRICE	CONTRACT NO.	GRANT NO.
0.25;0.95		

REPORT NO.	BUREAU NO.

AVAILABILITY

JOURNAL CITATION

DESCRIPTIVE NOTE
17p.

DESCRIPTORS
*Administration; *Bibliographies; *Legislation; *Science Facilities; *Supervision; Biological Sciences; College Science; Elementary School Science; Federal Aid; Federal Programs; Mathematics Education; Outdoor Education; Secondary School Science

IDENTIFIERS

ABSTRACT
This is the eighth in the third series of general bibliographies developed to disseminate information on documents analyzed at the ERIC Information Analysis Center for Science Education. Reported are some 39 citations of selected documents in the areas of (1) legislative acts and reports, (2) administration and supervision, and (3) science facilities. The documents included represent research reports, research reviews, manuals, textbooks, and other types. Citations are listed under the major areas in alphabetical order by author and indicate sources, availability, and major ideas of the document. This bibliography updates, but does not replace, general bibliography 8 (ED 021 766) and general bibliography 18 (ED 026 284) produced earlier by this Center. (RH)

GPO 870-390

ED 032 446

SEIAC
AN ERIC CENTER
SCIENCE EDUCATION INFORMATION REPORT

GENERAL BIBLIOGRAPHY SERIES
BIBLIOGRAPHY 28

LEGISLATIVE ACTS AND REPORTS ADMINISTRATION AND SUPERVISION SCIENCE FACILITIES

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION POSITION OR POLICY.

AA 000 410

SEIAC/SCIENCE EDUCATION INFORMATION ANALYSIS CENTER

. . . an information center to organize and disseminate information and materials on science education to teachers, administrators, supervisors, researchers, and the public. A joint project of The Ohio State University and the Educational Resources Information Center of USOE.

SCIENCE EDUCATION INFORMATION REPORT

GENERAL BIBLIOGRAPHY SERIES
BIBLIOGRAPHY 28

LEGISLATIVE ACTS AND REPORTS
ADMINISTRATION AND SUPERVISION
SCIENCE FACILITIES

ERIC Information Analysis Center
for Science Education
1460 West Lane Avenue
Columbus, Ohio 43210

July, 1969

BIBLIOGRAPHY 28

Table of Contents

	Page
A. Legislative Acts and Reports	1
B. Administration and Supervision	2
C. Science Facilities	5
D. Author Index	10
E. Unauthored Articles	11

SCIENCE EDUCATION INFORMATION REPORTS

The Science Education Information Reports are being developed to disseminate information concerning documents analyzed at the ERIC Information Analysis Center for Science Education. The Reports include five types of publications. General Bibliographies are being issued to announce most documents processed by the Information Analysis Center for Science Education. These bibliographies are categorized by topics and indicate the availability of the document and the major ideas included in the document. Special Bibliographies are being developed to announce availability of documents in selected interest areas. These bibliographies will list most significant documents that have been published in the interest area. Guides to Resource Literature for Science Teachers are bibliographies that identify references for the professional growth of teachers at all levels of science teaching. This series will include six separate publications. State-of-the-Art Papers will be issued periodically to indicate implications of research for science teaching. Research Reviews will be issued to analyze and synthesize research related to science education over a period of several years.

The Science Education Information Reports will be announced in the SEIAC Newsletter as they become available.

GENERAL BIBLIOGRAPHIES

The General Bibliographies are being developed to announce the documents acquired and processed by the ERIC Information Analysis Center for Science Education. The bibliographies will focus on general topics. This bibliography announces most documents related to the topic that were included in the third 2,000 documents processed by this Center. It supplements General Bibliography 8 and 18. Additional supplements will be issued as documents are processed.

USING BIBLIOGRAPHIC CITATIONS

All documents are listed by similar bibliographic citations. A sample citation is explained for your convenience. You will find it helpful to study the explanation of the sample citation before using this bibliography.

SAMPLE OF BIBLIOGRAPHIC CITATION

---

(1) SE 004 904 (2) 3 (3) 10 31 15
(4) HELGESON, STANLEY L.
(5) LESSON PLANS AND TESTS OF KNOWLEDGE, COMPREHENSION, AND APPLICATION FOR INSTRUCTION IN CONCEPTS OF FORCE, GRADES 2-6
(6) UNIVERSITY OF WISCONSIN, MADISON, RESEARCH AND DEVELOPMENT CENTER
(7) EDRS
(8) ED 020 907 MF $0.25 HC $2.35
(9) 03 00 68 (10) 45
(11) *ELEMENTARY SCHOOL SCIENCE, *FORCES (PHYSICAL), *INSTRUCTION, *PHYSICS, *TEACHING GUIDES, ACADEMIC ACHIEVEMENT, COGNITIVE PROCESSES, CONCEPT FORMATION, EVALUATION, LEARNING, PHYSICAL SCIENCES, TESTS, RESEARCH REPORTS

EXPLANATION OF BIBLIOGRAPHIC CITATION

(1) SE 004 904

This is the Science Education Center's identification number for the document. It serves as the name for the document and provides a way of locating the material.

(2) 3

This field indicates the level of processing of the document.

1--cataloged and indexed
2--cataloged, indexed, and annotated or abstracted
3--announced in Research in Education

(3) 10 31 15

Field three is a code for developing bibliographies. By using this code several kinds of bibliographies can be structured by retrieval specialists or by computer programs.

(4) HELGESON, STANLEY L.

The principal author, editor, or organization associated with the writing of the document is listed.

(5) LESSON PLANS AND TESTS OF KNOWLEDGE, COMPREHENSION, AND APPLICATION FOR INSTRUCTION IN CONCEPTS OF FORCE, GRADES 2-6

Title of document.

(6) UNIVERSITY OF WISCONSIN, MADISON, RESEARCH AND DEVELOPMENT CENTER

This indicates where the document was obtained by the Center.

(7) EDRS

Field seven indicates the source of the document. If the document is available from the ERIC Document Reproduction Service (EDRS) it can be ordered.

(8) ED 020 907 MF $0.25 HC $2.35

If a document is announced in Research in Education, the ED number of the document is indicated in this space. If the document is available from EDRS the price of the document is also indicated in this field. MF indicates microfiche and HC indicates hardcopy. This document would cost $0.25 in microfiche or $2.35 in hardcopy.

(9) 03 00 68

This field designates the publication date of the document (March, 1968). The first set of two numerics represents the month; the second, the day of the month; and the third, the year. In most cases the date is obtained from the document. In a few cases, when no date of publication is on the document, the date is estimated based on the best information available in the document.

(10) 45

Field ten identifies the number of pages in the document. This document contains 45 pages. Use of this field will provide information concerning the length of the document.

(11) *ELEMENTARY SCHOOL SCIENCE, *FORCES (PHYSICAL), *INSTRUCTION, *PHYSICS, *TEACHING GUIDES, ACADEMIC ACHIEVEMENT, COGNITIVE PROCESSES, CONCEPT FORMATION, EVALUATION, LEARNING, PHYSICAL SCIENCES, TESTS, RESEARCH REPORTS

This field provides an indication of the ideas included in the document. Each term, such as *INSTRUCTION, has been selected by an information analyst because the term is important for the identification of the document. Terms marked with an asterisk represent primary ideas in the document; the other terms represent ideas of lesser importance. You can use this information to narrow the number of documents you want to review.

A. LEGISLATIVE ACTS AND REPORTS

1. SE 005 744 1 16 95 20
BARKER, ANN C.
NSF: A LITTLE HISTORY AND SOME REORGANIZATION
BIOSCIENCE
07 00 68 2
*FINANCIAL SUPPORT, *FOUNDATION PROGRAMS, *LEGISLATIVE ACTS AND REPORTS, *SCIENTIFIC RESEARCH, PAPERS, POLICY, RESEARCH, SCIENCE HISTORY, SCIENTIFIC ORGANIZATIONS, NATIONAL SCIENCE FOUNDATION, 1968

2. SE 005 533 1 16 83 20
PAGE, H. E.
LESSONS OF THE NSF SCIENCE DEVELOPMENT PROGRAM
EDUCATIONAL RECORD
66 7
*COLLEGE SCIENCE, *FEDERAL PROGRAMS, *FINANCIAL SUPPORT, *RESEARCH, FEDERAL POLICY, NATIONAL SCIENCE FOUNDATION, EDUCATIONAL RECORD, 1966, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

3. SE 004 346 1 16 81 29
PILTZ, ALBERT
THE FEDERAL PROGRAMS AND THE ELEMENTARY SCIENCE TEACHER
SCIENCE AND CHILDREN
03 00 68 3
*ELEMENTARY SCHOOL SCIENCE, *FEDERAL PROGRAMS, *PROGRAM DESCRIPTIONS, SCIENCE TEACHERS, EDUCATIONAL RESEARCH, EDUCATIONAL INNOVATION, LEGISLATIVE ACTS, SCIENCE COURSE IMPROVEMENT PROJECT, SCIENCE EQUIPMENT, SCIENCE FACILITIES, SCIENCE MATERIALS, TEACHER EDUCATION, NATIONAL DEFENSE EDUCATION ACT, ELEMENTARY AND SECONDARY EDUCATION ACT, NATIONAL SCIENCE FOUNDATION

4. SE 004 994 3 01 95 03
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 8, LEGISLATIVE ACTS AND REPORTS, ADMINISTRATION AND SUPERVISION, SCIENCE FACILITIES
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
EDRS
ED 021 766 MF $0.25 HC $0.80
05 00 68 14
*ADMINISTRATION, *BIBLIOGRAPHIES, *LEGISLATION, *SCIENCE FACILITIES, *SUPERVISION, ASTRONOMY, BIOLOGICAL SCIENCES, COLLEGE SCIENCE, CONSERVATION EDUCATION, CHEMISTRY, CURRICULUM, DOCTORAL THESES, ELEMENTARY SCHOOL SCIENCE, EARTH SCIENCE, FEDERAL AID, FEDERAL PROGRAMS, GENERAL SCIENCE, INSTRUCTIONAL MATERIALS, MATHEMATICS EDUCATION, OUTDOOR EDUCATION, SECONDARY SCHOOL SCIENCE, NATIONAL DEFENSE EDUCATION ACT, ELEMENTARY AND SECONDARY EDUCATION ACT TITLE III, PUBLIC LAW 89-10

B. ADMINISTRATION AND SUPERVISION

1. SE 004 381 1 01 58 15
BERKHEIMER, GLENN D.
THE SCIENCE SUPERVISOR AND THE UTILIZATION OF CURRICULUM MATERIALS
JOURNAL OF RESEARCH IN SCIENCE TEACHING
68 8
*ELEMENTARY SCHOOL SCIENCE, *SECONDARY SCHOOL SCIENCE, *SCIENCE SUPERVISION, *SUPERVISORS, *OPINIONS, COMPARATIVE ANALYSIS, INSTRUCTIONAL MATERIALS, RESEARCH REPORTS, SCIENCE TEACHERS, SUPERVISORY ROLE, NATIONAL SCIENCE FOUNDATION

2. SE 004 580 1 01 09 20
COLEMAN, JAMES S.
RESPONSIBILITY OF SCHOOLS IN THE PROVISION OF EQUAL EDUCATIONAL OPPORTUNITY (PAPER DELIVERED AT NATIONAL ASSOCIATION OF SECONDARY SCHOOL PRINCIPALS CONFERENCE, 2-12-68, ATLANTIC CITY)
JOHNS HOPKINS UNIVERSITY, CENTER FOR THE STUDY OF SOCIAL ORGANIZATION OF SCHOOLS, BALTIMORE, MARYLAND
02 00 68 17
*DISCRIMINATORY ATTITUDES (SOCIAL), *EDUCATIONAL OPPORTUNITIES, *EDUCATIONAL EQUALITY, ACHIEVEMENT, ARITHMETIC, CURRICULUM, LOW ABILITY STUDENTS, SCHOOL ATTITUDES

3. SE 004 433 3 01 86 22
EISS, ALBERT
THE USE OF EDUCATIONAL TECHNOLOGY IN PROVIDING KNOWLEDGE OF EDUCATIONAL TECHNOLOGY AND SUGGESTIONS FOR ITS APPLICATION TO SCIENCE SUPERVISORS
NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D. C.
EDRS
ED 018 380 MF $0.25 HC $2.35
01 00 68 45
*EDUCATIONAL PROGRAMS, *INSERVICE EDUCATION, *PROGRAMED MATERIALS, *SUPERVISION, *SCIENCE SUPERVISION, BIBLIOGRAPHIES, EDUCATIONAL OBJECTIVES, EDUCATIONAL RESEARCH, INSTRUCTIONAL MATERIALS, SCHOOL INDUSTRY RELATIONSHIP, WORKSHOPS

4. SE 005 763 3 01 85 17
GOODE, JOHN MERTON
THE DEVELOPMENT OF AN INSTRUMENT TO EVALUATE CERTAIN PRACTICES IN SCIENCE SUPERVISION
THE OHIO STATE UNIVERSITY, COLUMBUS, OHIO
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
ED 025 426 NOT AVAILABLE FROM EDRS
68 142
*EVALUATION, *ELEMENTARY SCHOOL SCIENCE, *MEASUREMENT INSTRUMENTS, *SCIENCE SUPERVISION, *SUPERVISION, *SECONDARY SCHOOL SCIENCE, DOCTORAL THESES, NATIONAL SCIENCE SUPERVISORS ASSOCIATION

5. SE 004 854 3 01 81 17
GROOMS, HENRIETTA HILL
PUPIL ACHIEVEMENT AND SOCIAL DEVELOPMENT IN INTERMEDIATE GRADE DEPARTMENTAL AND SELF-CONTAINED CLASSROOMS
UNIVERSITY OF GEORGIA, ATHENS
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
ED 021 748 NOT AVAILABLE FROM EDRS
67 140
*ACHIEVEMENT, *SOCIAL DEVELOPMENT, *SCHOOL ORGANIZATION, ACHIEVEMENT TESTS, DOCTORAL THESES, ELEMENTARY SCHOOL SCIENCE, LANGUAGE ARTS, MATHEMATICS, SOCIAL STUDIES, SCIENCES, SELF-CONTAINED CLASSROOM, RESEARCH REPORTS, THE METROPOLITAN INTERMEDIATE ACHIEVEMENT TESTS, REAL AND IDEAL SELF-CONCEPT SCALES, MANIFEST ANXIETY SCALE, 1967

6. SE 005 093 3 01 86 17
MILLS, THOMAS J.
AMERICAN SCIENCE MANPOWER 1966, A REPORT OF THE NATIONAL REGISTER OF SCIENTIFIC AND TECHNICAL PERSONNEL
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D. C.
UNITED STATES GOVERNMENT PRINTING OFFICE, WASHINGTON, D. C.
EDRS
ED 022 700 MF $1.00 HC $11.15
12 00 67 201
*PERSONNEL DATA, *SCIENTIFIC PERSONNEL, *SCIENTISTS, EMPLOYERS, EDUCATION, SALARIES, RESEARCH REPORTS, NATIONAL SCIENCE FOUNDATION

7. SE 005 909 1 01 86 22
MORRISETT, LLOYD N.
PERSONNEL ADMINISTRATION IN STATE EDUCATION AGENCIES IN THE YEARS AHEAD
CALIFORNIA STATE DEPARTMENT OF EDUCATION
CALIFORNIA STATE DEPARTMENT OF EDUCATION, 721 CAPITOL MALL, SACRAMENTO
68 154
*ADMINISTRATIVE PERSONNEL, *GUIDELINES, *STATE DEPARTMENTS OF EDUCATION, ADMINISTRATION, PROGRAM DEVELOPMENT, RESEARCH REPORTS, ELEMENTARY AND SECONDARY EDUCATION ACT TITLE V, UNITED STATES OFFICE OF EDUCATION

8. SE 004 012 1 01 23 29
WALLING, CHEVES
SEPARATION OF TEACHING AND STUDENT SUPPORT - A FACULTY FELLOWSHIP PROGRAM
JOURNAL OF CHEMICAL EDUCATION
01 00 68 2
*ADMINISTRATION, *COLLEGE SCIENCE, *CHEMISTRY, *FACULTY FELLOWSHIPS, *GRADUATE STUDY, FELLOWSHIPS, TEACHER EDUCATION, NATIONAL SCIENCE FOUNDATION, AMERICAN CHEMICAL SOCIETY

9. SE 005 629 1 01 85 03
WHITNEY, HOWARD; PIELE, PHILIP
ANNOTATED BIBLIOGRAPHY ON YEAR-ROUND SCHOOL PROGRAMS
ERIC CLEARINGHOUSE ON EDUCATIONAL ADMINISTRATION, UNIVERSITY OF OREGON, EUGENE
10 00 68 6
*ADMINISTRATION, *ANNOTATED BIBLIOGRAPHIES, *EDUCATIONAL ADMINISTRATION, *RESOURCE MATERIALS, BIBLIOGRAPHIES, EXTENDED SCHOOL YEAR, SCHOOL ORGANIZATION, ERIC, 1968

10. SE 005 771 1 01 03 17
YOUNG, MARVIN HOWARD
PROCESSES AND STRUCTURES FOR DECISION-MAKING IN THE SCIENCE DIVISION OF SELECTED PUBLIC JUNIOR COLLEGES IN FLORIDA
UNIVERSITY OF FLORIDA, GAINESVILLE
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
67 156
*COLLEGE ADMINISTRATION, *ADMINISTRATIVE POLICY, *ADMINISTRATIVE ORGANIZATION, *COLLEGE SCIENCE, DOCTORAL THESES, JUNIOR COLLEGES, RESEARCH REPORTS, FLORIDA

11. SE 004 060 3 01 83 17
YULO, RALPH JAMES
AN EXPLORATION OF THE FLANDERS SYSTEM OF INTERACTION ANALYSIS AS A SUPERVISORY DEVICE WITH SCIENCE INTERNS
HARVARD UNIVERSITY, CAMBRIDGE, MASSACHUSETTS
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
ED 023 574 NOT AVAILABLE FROM EDRS
67 441
*INTERACTION PROCESS ANALYSIS, *STUDENT TEACHING, *TEACHER EDUCATION, *SCIENCE EDUCATION, DOCTORAL THESES, EVALUATION, SELF EVALUATION, SUPERVISORY METHODS, SUPERVISION, VERBAL COMMUNICATION, HARVARD UNIVERSITY, FLANDERS SYSTEM OF INTERACTION ANALYSIS, 1967

12. SE 004 994 3 01 95 03
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 8, LEGISLATIVE ACTS AND REPORTS, ADMINISTRATION AND SUPERVISION, SCIENCE FACILITIES
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
EDRS
ED 021 766 MF $0.25 HC $0.80
05 00 68 14
*ADMINISTRATION, *BIBLIOGRAPHIES, *LEGISLATION, *SCIENCE FACILITIES, *SUPERVISION, ASTRONOMY, BIOLOGICAL SCIENCES, COLLEGE SCIENCE, CONSERVATION EDUCATION, CHEMISTRY, CURRICULUM, DOCTORAL THESES, ELEMENTARY SCHOOL SCIENCE, EARTH SCIENCE, FEDERAL AID, FEDERAL PROGRAMS, GENERAL SCIENCE, INSTRUCTIONAL MATERIALS, MATHEMATICS EDUCATION, OUTDOOR EDUCATION, SECONDARY SCHOOL SCIENCE, NATIONAL DEFENSE EDUCATION ACT, ELEMENTARY AND SECONDARY EDUCATION ACT TITLE III, PUBLIC LAW 89-10

C. SCIENCE FACILITIES

1. SE 005 052 1 05 33 32
ADVISORY COUNCIL ON COLLEGE CHEMISTRY
NEWSLETTER NUMBER 10
ADVISORY COUNCIL ON COLLEGE CHEMISTRY, STANFORD UNIVERSITY, CALIFORNIA
08 00 67 8
*AUDIOVISUAL AIDS, *COLLEGE SCIENCE, *CHEMISTRY, *INSTRUCTION, AUDIOTUTORIAL SYSTEMS, COMMUNITY COLLEGES, EDUCATIONAL TELEVISION, EDUCATIONAL PROGRAMS, COMPUTER ASSISTED INSTRUCTION, SCIENCE FACILITIES, NEWSLETTERS, TEACHING TECHNIQUES, TEACHING AIDS, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, UNIVERSITY OF ARIZONA, UNIVERSITY OF TEXAS, SIMON FRASER UNIVERSITY (BRITISH COLUMBIA), ORAL ROBERTS UNIVERSITY, MERAMER COMMUNITY COLLEGE, OAKLAND COMMUNITY COLLEGE

2. SE 004 017 2 05 23 20
BARNARD, W. ROBERT; AND OTHERS
TEACHING AIDS - THE MODERN CHEMISTRY CLASSROOM
JOURNAL OF CHEMICAL EDUCATION
01 00 68 8
*COLLEGE SCIENCE, *CHEMISTRY, *PROJECTION FACILITIES, *SCIENCE FACILITIES, CLASSROOM DESIGN, EDUCATIONAL TELEVISION, FILMS, TELEVISION, OHIO STATE UNIVERSITY, UNIVERSITY OF TEXAS, MONTANA STATE UNIVERSITY, KENT STATE UNIVERSITY, DIVISION OF CHEMICAL EDUCATION SYMPOSIUM ON DEVELOPMENT OF TEACHING AIDS, AMERICAN CHEMICAL SOCIETY

3. SE 004 623 1 05 55 29
BEAN, DON L.
THE SPACEATORIUM IN CENTRAL NEBRASKA, IMPROVEMENT OF ASTRONOMY-SPACE SCIENCE INSTRUCTION
W. J. ARRASMITH PLANETARIUM, GRAND ISLAND HIGH SCHOOL, NEBRASKA
7
*ASTRONOMY, *ELEMENTARY SCHOOL SCIENCE, *SECONDARY SCHOOL SCIENCE, *SCIENCE FACILITIES, AUDIOVISUAL AIDS, EDUCATIONAL PROGRAMS, INSTRUCTIONAL MATERIALS, PHYSICAL SCIENCES, PLANETARIUMS, SPACE SCIENCE, SCIENCE EQUIPMENT, ELEMENTARY AND SECONDARY EDUCATION ACT TITLE III

4. SE 004 813 1 05 42 29
BOCK, FREDERICK S.
A TEACHER-ORIENTED APPROACH TO PLANETARIUM INSTRUCTION
SHARON JUNIOR HIGH SCHOOL, MASSACHUSETTS
5
*EARTH SCIENCE, *PLANETARIUM, *PROGRAM DESCRIPTIONS, *SCIENCE FACILITIES, *SECONDARY SCHOOL SCIENCE, ASTRONOMY, ART, ELEMENTARY SCHOOL SCIENCE, GEOGRAPHY, GEOMETRY, SPACE SCIENCES, ELEMENTARY AND SECONDARY EDUCATION ACT TITLE III

5. SE 005 468 1 05 85 17
COHAN, PETER H.
DETERMINING THE STATUS OF SCIENCE EDUCATION PROGRAMS FOR A REGIONAL CENTER
JOURNAL OF RESEARCH IN SCIENCE TEACHING
68 8
*CURRICULUM, *EDUCATIONAL PROGRAMS, *PROGRAM EVALUATION, *SCIENCE PROGRAMS, *SCIENCE FACILITIES, ELEMENTARY SCHOOL SCIENCE, RESEARCH REPORTS, REGIONAL SURVEYS, SECONDARY SCHOOL SCIENCE, 1967

6. SE 005 618 1 05 95 29
HAYNES, ROBERT C.
THE POWER OF IDEAS - A REPORT ABOUT A COMMUNITY MATHEMATICS-SCIENCE CENTER
THE SCIENCE TEACHER
10 00 68 2
*EDUCATIONAL PROGRAMS, *MATHEMATICS, *NATURAL SCIENCES, *PROGRAM DESCRIPTIONS, *SUPPLEMENTARY EDUCATIONAL CENTERS, ENRICHMENT PROGRAMS, GENERAL EDUCATION, INSERVICE EDUCATION, INFORMATION DISSEMINATION, TEACHER EDUCATION, RICHMOND, VIRGINIA, ELEMENTARY AND SECONDARY EDUCATION ACT, 1968

7. SE 005 130 2 05 81 17
HELDMAN, LAWRENCE
PLANNING ELEMENTARY SCHOOL SCIENCE FACILITIES
COLUMBIA UNIVERSITY
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
ED 024 582 NOT AVAILABLE FROM EDRS
66 238
*ELEMENTARY SCHOOL SCIENCE, *SCIENCE FACILITIES, *SCHOOL PLANNING, *SCIENCE EQUIPMENT, DOCTORAL THESES, SCIENCE MATERIALS, 1966

8. SE 005 849 1 05 02 22
HELDMAN, LAWRENCE; AND OTHERS
AN INVENTORY OF THE NEEDS OF TEACHERS OF SCIENCE IN THE CATSKILL AREA SCHOOLS, PART II, GRADES 7-12
CATSKILL AREA SCHOOL STUDY COUNCIL, ONEONTA, NEW YORK
04 00 68 16
*PROJECT REPORTS, *SECONDARY SCHOOL SCIENCE, *SCHOOL SURVEYS, *SCIENCE TEACHERS, *SCIENCE PROGRAMS, SCIENCE FACILITIES, TEACHER CHARACTERISTICS, CATSKILL AREA SCHOOL STUDY COUNCIL, PROJECT PROBE, UNITED STATES OFFICE OF EDUCATION

9. SE 004 115 1 05 85 20
IRVING, JAMES
THE FUTURE OF SCIENCE AND ITS IMPLICATIONS FOR SCIENCE TEACHING AND FACILITIES
METROPOLITAN DETROIT SCIENCE REVIEW
12 00 67 4
*COLLEGE SCIENCE, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE FACILITIES, *SECONDARY SCHOOL SCIENCE, EDUCATIONAL PLANNING, SCHOOL ENROLLMENTS, SCIENCE EQUIPMENT, SCIENTIFIC APPARATUS MAKERS ASSOCIATION

GPO 814-376-4

10. SE 004 539 1 05 33 29
KATZ, ROBERT
PHYSICS-MATHEMATICS BUILDING AT KANSAS STATE UNIVERSITY
AMERICAN JOURNAL OF PHYSICS
01 00 65 6
*COLLEGE MATHEMATICS, *COLLEGE SCIENCE, *PHYSICS, *SCIENCE FACILITIES, LABORATORY FACILITIES, PHYSICAL SCIENCES, PLANETARIUM, SCIENCE LABORATORIES, SCIENCE EQUIPMENT, KANSAS STATE UNIVERSITY, MANHATTAN, KANSAS

11. SE 005 423 3 05 95 29
KEMENY, JOHN G.; KURTZ, THOMAS E.
THE DARTMOUTH TIME-SHARING COMPUTING SYSTEM
EDRS
ED 024 604 MF $0.50 HC $3.90
06 00 67 76
*COMPUTER ASSISTED INSTRUCTION, *COMPUTERS, *HIGHER EDUCATION, *INSTRUCTION, CURRICULUM, ENGINEERING, MATHEMATICS, PSYCHOLOGY, PHYSICS, PROGRAM DESCRIPTIONS, NATIONAL SCIENCE FOUNDATION, DARTMOUTH COLLEGE

12. SE 004 320 2 05 92 17
LAUDA, BILLY GEORGE
UTILIZATION OF SECONDARY SCHOOL SITES IN FULFILLING THE OBJECTIVES OF TEACHING ART, MATHEMATICS, AND SCIENCE IN PENNSYLVANIA
PITTSBURGH UNIVERSITY, PENNSYLVANIA
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
63 218
*EDUCATIONAL OBJECTIVES, *EDUCATIONAL FACILITIES, *OUTDOOR EDUCATION, ART EDUCATION, BIOLOGY TEACHERS, DOCTORAL THESES, INSTRUCTION, MATHEMATICS, RESEARCH REPORTS, SCIENCES, SCHOOL SIZE, TEACHER EDUCATION

13. SE 005 062 2 05 92 29
LINSKY, RONALD B.
A HANDS ON PRACTICE OF SCIENCE
ORANGE COUNTY SCHOOLS MARINE SCIENCE FLOATING LABORATORY, SANTA ANA, CALIFORNIA
6
*EDUCATIONAL PROGRAMS, *OCEANOLOGY, *SCIENCE FACILITIES, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, BIOLOGY, CURRICULUM DEVELOPMENT, EARTH SCIENCE, PROGRAM DESCRIPTIONS, ORANGE COUNTY SCHOOLS, CALIFORNIA, ELEMENTARY AND SECONDARY EDUCATION ACT TITLE III, 1967

14. SE 005 283 1 05 11 29
MARSH, NORMAN
OUTDOOR LEARNING ON THE SCHOOL SITE
CALIFORNIA EDUCATION
05 00 66 2
*ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL PROGRAMS, *OUTDOOR EDUCATION, *SCIENCE FACILITIES, BIOLOGY, CONSERVATION EDUCATION, NATURE CENTERS, PROGRAM DESCRIPTIONS, SACRAMENTO, CALIFORNIA

15. SE 004 066 3 05 42 17
MCDONALD, DALE E.
THE UTILIZATION OF PLANETARIA AND OBSERVATORIES IN SECONDARY SCHOOLS
UNIVERSITY OF PITTSBURGH, PENNSYLVANIA
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
ED 023 575 NOT AVAILABLE FROM EDRS
66 222
*ADMINISTRATIVE POLICY, *EARTH SCIENCE, *PLANETARIUMS, *SECONDARY SCHOOL SCIENCE, *SCIENCE FACILITIES, ASTRONOMY, DOCTORAL THESES, EQUIPMENT UTILIZATION, RESEARCH REPORTS, 1966

16. SE 004 116 1 05 13 29
MCWILLIAMS, EDWARD L.
EDUCATION AT THE UNIVERSITY OF MICHIGAN BOTANICAL GARDENS
METROPOLITAN DETROIT SCIENCE REVIEW
12 00 67 2
*BOTANY, *EDUCATIONAL PROGRAMS, *PROGRAM DESCRIPTIONS, *SCIENCE FACILITIES, BIOLOGY, UNIVERSITY OF MICHIGAN

17. SE 005 746 1 05 15 20
NACE, GEORGE W.
THE AMPHIBIAN FACILITY OF THE UNIVERSITY OF MICHIGAN
BIOSCIENCE
08 00 68 9
*BIOLOGY, *LABORATORY ORGANISMS, *RESOURCE MATERIALS, *SCIENCE FACILITIES, AMPHIBIANS, COLLEGE SCIENCE, LABORATORY TECHNIQUES, SECONDARY SCHOOL SCIENCE

18. SE 005 959 1 05 33 33
WALZ, FRANK C.; BARTLETT, A. A.
A NEW DESIGN FOR LECTURE AUDITORIA
AMERICAN JOURNAL OF PHYSICS
11 00 68 5
*AUDITORIUMS, *BUILDING DESIGN, *COLLEGE SCIENCE, *PHYSICS, *SCIENCE FACILITIES, UNIVERSITY OF COLORADO, PHYSICS DEPARTMENT, 1968

19. SE 005 574 1 05 15 29
WEAVER, RICHARD L.
MANUAL FOR OUTDOOR LABORATORIES - THE DEVELOPMENT AND USE OF SCHOOLGROUNDS AS OUTDOOR LABORATORIES FOR TEACHING SCIENCE AND CONSERVATION
NATIONAL ASSOCIATION OF BIOLOGY TEACHERS, WASHINGTON, D. C.
INTERSTATE PRINTERS AND PUBLISHERS, DANVILLE, ILLINOIS
81
*BIOLOGY, *ECOLOGY, *OUTDOOR EDUCATION, *SCIENCE LABORATORIES, *SCIENCE FACILITIES, CONSERVATION EDUCATION, COLLEGE SCIENCE, ELEMENTARY SCHOOL SCIENCE, FIELD TRIPS, GUIDELINES, PROGRAM PLANNING, PROGRAM DESCRIPTIONS, RESOURCE MATERIALS, SCIENCE ACTIVITIES, SECONDARY SCHOOL SCIENCE, NATIONAL ASSOCIATION OF BIOLOGY TEACHERS

20. SE 005 040 3 05 33 33
CHECKLISTS FOR PHYSICS BUILDINGS
AMERICAN INSTITUTE OF PHYSICS, NEW YORK, NEW YORK
ED 021 770 NOT AVAILABLE FROM EDRS
05 00 65 24
*COLLEGE SCIENCE, *PHYSICS, *SCIENCE FACILITIES, PHYSICAL SCIENCES, SECONDARY SCHOOL SCIENCE, AMERICAN INSTITUTE OF PHYSICS

21. SE 005 535 1 05 95 32
HIGH SCHOOL EQUIPMENT LIST
TALCOTT MOUNTAIN SCIENCE CENTER FOR STUDENT INVOLVEMENT, AVON, CONNECTICUT
04 00 68 7
*ELEMENTARY SCHOOL SCIENCE, *SECONDARY SCHOOL SCIENCE, *SUPPLEMENTARY EDUCATION CENTERS, *SCIENCE EQUIPMENT, *SCIENCE FACILITIES, NEWSLETTERS, STUDENT PARTICIPATION

22. SE 005 039 3 05 33 33
PHYSICS BUILDINGS TODAY. A SUPPLEMENT TO MODERN PHYSICS BUILDINGS: DESIGN AND FUNCTION
AMERICAN INSTITUTE OF PHYSICS, NEW YORK, NEW YORK
ED 021 769 NOT AVAILABLE FROM EDRS
07 00 65 64
*COLLEGE SCIENCE, *PHYSICS, *SCIENCE FACILITIES, PHYSICAL SCIENCES, SECONDARY SCHOOL SCIENCE, AMERICAN INSTITUTE OF PHYSICS

23. SE 004 994 3 01 95 03
SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 8, LEGISLATIVE ACTS AND REPORTS, ADMINISTRATION AND SUPERVISION, SCIENCE FACILITIES
ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE EDUCATION, COLUMBUS, OHIO
EDRS
ED 021 766 MF $0.25 HC $0.80
05 00 68 14
*ADMINISTRATION, *BIBLIOGRAPHIES, *LEGISLATION, *SCIENCE FACILITIES, *SUPERVISION, ASTRONOMY, BIOLOGICAL SCIENCES, COLLEGE SCIENCE, CONSERVATION EDUCATION, CHEMISTRY, CURRICULUM, DOCTORAL THESES, ELEMENTARY SCHOOL SCIENCE, EARTH SCIENCE, FEDERAL AID, FEDERAL PROGRAMS, GENERAL SCIENCE, INSTRUCTIONAL MATERIALS, MATHEMATICS EDUCATION, OUTDOOR EDUCATION, SECONDARY SCHOOL SCIENCE, NATIONAL DEFENSE EDUCATION ACT, ELEMENTARY AND SECONDARY EDUCATION ACT TITLE III, PUBLIC LAW 89-10

D. AUTHOR INDEX

Authors or organizations responsible for documents are listed alphabetically. The document number of each publication listed is entered after the name of the author or organization. The letter indicates the section of the bibliography and the numeral represents the document number in that section.

ADVISORY COUNCIL ON COLLEGE CHEMISTRY (C1)

BARNARD, W. ROBERT; AND OTHERS (C2)

BARKER, ANN C. (A1)

BEAN, DON L. (C3)

BERKHEIMER, GLENN D. (B1)

BOCK, FREDERICK S. (C4)

COHAN, PETER H. (C5)

COLEMAN, JAMES S. (B2)

EISS, ALBERT (B3)

GOODE, JOHN MERTON (B4)

GROOMS, HENRIETTA HILL (B5)

HAYNES, ROBERT C. (C6)

HELDMAN, LAWRENCE (C7)

HELDMAN, LAWRENCE; AND OTHERS (C8)

IRVING, JAMES (C9)

KATZ, ROBERT (C10)

KEMENY, JOHN G.; KURTZ, THOMAS E. (C11)

LAUDA, BILLY GEORGE (C12)

LINSKY, RONALD B. (C13)

MARSH, NORMAN (C14)

MCDONALD, DALE E. (C15)

MCWILLIAMS, EDWARD L. (C16)

MILLS, THOMAS J. (B6)

MORRISETT, LLOYD N. (B7)

NACE, GEORGE W. (C17)

PAGE, H. E. (A2)

PILTZ, ALBERT (A3)

WALLING, CHEVES (B8)

WALZ, FRANK C.; BARTLETT, A. A. (C18)

WEAVER, RICHARD L. (C19)

WHITNEY, HOWARD; PIELE, PHILIP (B9)

YOUNG, MARVIN HOWARD (B10)

YULO, RALPH JAMES (B11)

GPO 814-376-3

E. UNAUTHORED ARTICLES

CHECKLISTS FOR PHYSICS BUILDINGS (C20)

HIGH SCHOOL EQUIPMENT LIST (C21)

PHYSICS BUILDINGS TODAY. A SUPPLEMENT TO MODERN PHYSICS BUILDINGS: DESIGN AND FUNCTION (C22)

SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 8, LEGISLATIVE ACTS AND REPORTS, ADMINISTRATION AND SUPERVISION, SCIENCE FACILITIES (A4, B12, C23)

GPO 814-376-2